



## **Educational Goals and Objectives for Radiology**

**Location: Lemuel Shattuck Hospital/Tufts Medical Center**

**Director: Joseph Polak, M.D.**

**Type of Rotation: Elective**

**Length of Rotation: 4 weeks**

### **1. OVERVIEW**

An elective rotation, which offers one on one precepting with staff radiologist, reading films and assisting in any and all invasive procedures, performed.

### **2. COMPETENCY BASED GOALS & OBJECTIVES:**

#### **A. Patient Care**

**GOAL:** TY Residents will utilize information gained from the appropriate utilization of imaging studies to learn how to knowledgeably discuss and treat a patient's condition.

**OBJECTIVES:** The TY Resident will:

1. Learn the anatomic appearance of all parts of the body recognizable on imaging studies.
2. Learn to recognize changes seen on follow-up studies and determine how the new and additional information learned can be used in the care of patient.
3. Learn to understand when and which imaging studies are indicated for emergency, urgent or routine patient care and the appropriate time interval between such studies
4. Learn which studies are contraindicated in a patient's condition.
5. Understand basic information on equipment capability and how to access the technical expertise of technicians to overcome the difficulty in recognition of pathologies created by other basic factors (example – obesity, fibrosis, scar tissue, etc.).
6. Understand the socioeconomic capabilities of patients and the financial impact upon them of having studies done, especially in those cases where the study ordered has not been recognized to be useful in finding the pathology sought.

#### **B. Medical Knowledge**

**GOAL:** TY Residents will demonstrate a basic level of competency to adequately assess and determine the appropriate imaging study and or studies necessary to manage the spectrum of disease seen in patients.

**OBJECTIVES:** The TY Resident will:

1. Understand the relationship between the basic and clinical sciences as it applies to Radiology.
2. Apply their knowledge in the basic and clinical sciences to the determination of which imaging studies are most appropriate to the care of their patients.
3. Understand which study would be most important and helpful versus which studies are less useful or helpful for diagnoses of a wide spectrum of specific diseases.

### **C. Practice Based Learning and Improvement**

**GOAL:** TY Residents will practice evidence-based medicine.

**OBJECTIVES:** The TY Resident will:

1. Facilitate and support his/her own education by reading current journal publications and utilizing information technology.
2. Assess, apply, and assimilate investigative knowledge to improve patient care.
3. Have small group seminar discussions, film interpretation discussions, etc.

### **D. Interpersonal and Communication Skills**

**GOAL:** TY Residents will learn how to establish effective and ethically sound communication with patients, faculty, staff, and peers in order to provide quality health care.

**OBJECTIVES:** The TY Resident will:

1. Learn the terminology specific to Radiology and how to use it in verbal and written communication with patients, family, staff and peers.
2. Learn how to communicate with patients as to the need for imaging studies and understanding the results of such studies.
3. Utilize intuitive and listening skills
4. Learn the importance of being a team player.
5. Learn how to communicate in an organized manner.

### **E. Professionalism**

**GOAL:** TY Residents will respect and be sensitive to the individuality, values, goals, concerns, and rights of all with whom they interact in the ambulatory and inpatient healthcare setting.

**OBJECTIVES:** The TY Resident will:

1. Complete responsibilities reliably.

2. Demonstrate respect, empathy, and integrity.
3. Demonstrate understanding of ethical principles of autonomy, beneficence, informed consent, and confidentiality.

## **F. Systems-Based Practice**

**GOAL:** TY Residents will effectively integrate ancillary healthcare resources and appropriately utilize business systems for optimal care of their patients.

**OBJECTIVES:** The TY Resident will:

1. Recognize the role of the Radiologist as a member and coordinator of the healthcare delivery team.
2. Recognize the reason that other physicians must understand radiology.
3. Recognize social and economic factors that affect patient care.
4. Identify the various people/factors involved in the patient care process, such as: patient, family, staff, consultants (medical and non-medical), and insurance companies.
5. Practice quality cost-effective healthcare.
6. Realize the Radiologist's role in the community and society.

## **3. SUPERVISION**

Direct at all times by Sr. Resident/Staff Radiologist. Films are read together and dictated by staff radiologist. Staff radiologist performs all invasive procedures.

## **4. METHODS OF IMPLEMENTATION OF GOALS AND OBJECTIVES**

Goals and objectives are implemented through one on one precepting, direct resident and staff supervision, faculty and resident role modeling, case-based readings, and daily X-ray reading rounds.